

	S arch Text	DBs
1	((orthogonal or perpendicular) with (bump or protrusion wall) and (liquid crystal display))	USPAT; EPO; JPO
2	(liquid crystal display) with ((orthogonal or perpendicular) with (bump or protrusion wall))	USPAT; EPO; JPO
3	((orthogonal or perpendicular) (bump or protrusion wall) and (liquid crystal display))	USPAT; EPO; JPO
4	(liquid crystal display) with ((bump or protrusion wall) with(orthogonal or perpendicular))	USPAT; EPO; JPO
5	(liquid crystal display) and substrates with ((bump or protrusion wall) and (orthogonal or perpendicular))	USPAT; EPO; JPO
6	79 not 78	USPAT; EPO; JPO
7	80 not 77	USPAT; EPO; JPO
8	substrates with ((orthogonal or perpendicular) (bump or protrusion wall))	USPAT; EPO; JPO
9	surfaces with ((orthogonal or perpendicular) (bump or protrusion wall))	USPAT; EPO; JPO
10	(liquid crystal display) and 83	USPAT; EPO; JPO
11	substrates same ((orthogonal or perpendicular) (bump or protrusion wall))	USPAT; EPO; JPO
12	(liquid crystal display) and 86	USPAT; EPO; JPO
13	substrates with bell shaped	USPAT; EPO; JPO
14	substrates and ((orthogonal or perpendicular) (bump or protrusion wall groove))	USPAT; EPO; JPO
15	("3698795" "3791716" "3813145" "3843231" "3961348" "4140378" "4165930" "4251137" "4255032" "4294529" "4367924" "4374612" "4389096" "4411495" "4426130" "4465355" "4536061" "4560264" "4572617" "4729640" "4729641" "4751509" "4834500" "4850681" "4850682" "5013141").PN.	USPAT
16	("3787110" "3791716" "3869196" "4228574" "4243300" "4251137" "4362359" "4367924" "4536059" "4674840" "4729640" "4822146" "4850681" "4850682").PN.	USPAT
17	("3530010" "3980396" "4017157" "4057326" "4178611" "4227769" "4251137" "4405405" "4444469" "4472026" "4582396").PN.	USPAT
18	("3787110" "3957354" "4037929" "4130347").PN.	USPAT

	Search Text	DBs
19	("3150999" "3152925" "4328390" "4352948" "4379944" "4453030" "4501636" "4514583" "4608451" "4626613" "4644091" "4665277" "4759735").PN.	USPAT
20	"3293331".PN.	USPAT
21	((orthogonal or perpendicular) ADJ (bump or protrusion wall groove) and (liquid ADJ crystal))	USPAT; EPO; JPO
22	(liquid ADJ crystal) with ((orthogonal or perpendicular) with (bump or protrusion wall groove))	USPAT; EPO; JPO

	Typ	Hits	Search T xt
1	BRS	0	(pixel and counter) ADJ electrode with (protrus\$4 or bump or wall) with irregular
2	BRS	0	(pixel and counter) ADJ electrode with (protrus\$4 or bump or wall) and irregular
3	BRS	16	(pixel and counter) ADJ electrode and (protrus\$4 or bump or wall) and irregular
4	BRS	2	(pixel) with ((protrus\$4 or bump or wall) with irregular)
5	BRS	34	(pixel) and ((protrus\$4 or bump or wall) with irregular)
6	BRS	280	349/156
7	BRS	27	349/156 and irregular
8	BRS	568	substrate with irregular ADJ surface
9	BRS	1389	349/158
10	BRS	0	(substrate with irregular ADJ surface) and 349/158
11	BRS	98088	liquid ADJ crystal ADJ display
12	BRS	931	(liquid ADJ crystal ADJ display) and 349/158
13	BRS	0	(liquid ADJ crystal ADJ display) with 349/158
14	BRS	22	(liquid ADJ crystal ADJ display) and (substrate with irregular ADJ surface)
15	BRS	2	(liquid ADJ crystal ADJ display) with (substrate with irregular ADJ surface)
16	IS&R	2	("5926246").PN.
17	BRS	37	(liquid ADJ crystal ADJ display) and (substrate same irregular ADJ surface)
18	BRS	37	(liquid ADJ crystal ADJ display) and (substrate same irregular ADJ surface)
19	BRS	2	(irregular ADJ surface) and 349/158
20	BRS	75	substrate with ((protrus\$4 or bump or wall) with irregular)
21	BRS	1	(liquid ADJ crystal ADJ display) and (substrate with ((protrus\$4 or bump or wall) with irregular))
22	BRS	140	substrate same ((protrus\$4 or bump or wall) with irregular)

	Type	Hits	Search T xt
23	BRS	2	(liquid ADJ crystal ADJ display) and (substrate same ((protrus\$4 or bump or wall) with irregular))
24	BRS	1389	349/158
25	BRS	1	349/158 and ((protrus\$4 or bump or wall) with irregular)
26	BRS	36	349/158 and irregular
27	IS&R	1	("6064457").PN.
28	BRS	568	substrate with (irregular ADJ surface)
29	BRS	22	(liquid ADJ crystal ADJ display) and (substrate with (irregular ADJ surface))
30	BRS	4119	(protrus\$4 or bump or wall) with orthogonal
31	BRS	48	(liquid ADJ crystal ADJ display) and ((protrus\$4 or bump or wall) with orthogonal)
32	BRS	48	((liquid ADJ crystal ADJ display) and ((protrus\$4 or bump or wall) with orthogonal)) not ((liquid ADJ crystal ADJ display) and (substrate with (irregular ADJ surface)))
33	BRS	1330	(liquid ADJ crystal ADJ display) with common ADJ electrode
34	BRS	600	((liquid ADJ crystal ADJ display) with common ADJ electrode) and pixel ADJ electrode
35	BRS	308	349/141
36	BRS	76	349/141 and (((liquid ADJ crystal ADJ display) with common ADJ electrode) and pixel ADJ electrode)
37	BRS	2151	interdigit\$3 ADJ electrode
38	BRS	11	(liquid ADJ crystal ADJ display) with (interdigit\$3 ADJ electrode)